HF0118-12 series single channel rf rotary joint slip ring

Signal Channel,Frequency DC~18GHz,OD 12.5mm

Senring HF0118-12 series RF rotary joint is used transmitting of analog and digital signals,RF Channel, 2.4(K)-F connector.

Part No. Description

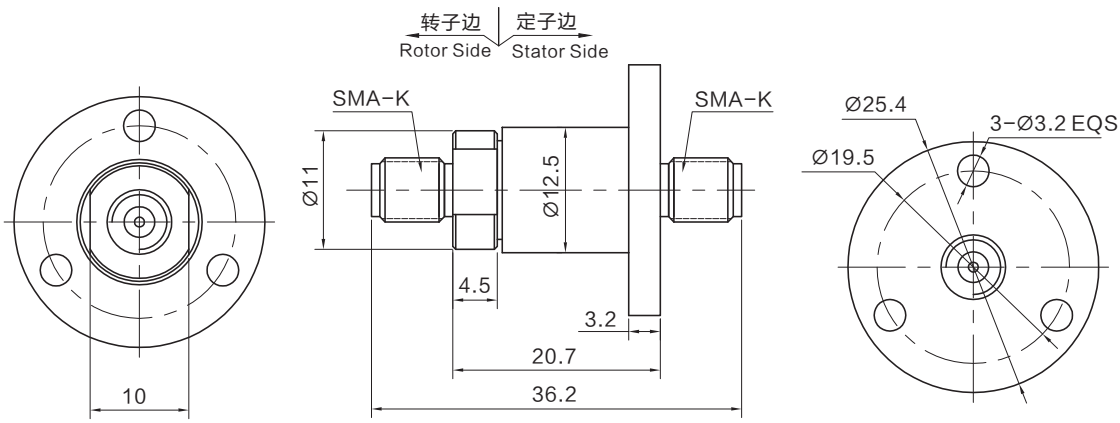
HF0118-12 - Power / Signal Circuits

Single Channel RF Rotary Joint
Frequency DC~18GHz,OD 12.5mm

RF channel, can be customized to combine power/signal transmitting（1~96 wires）

Examples

HF0118-12: singal channel RF high frequency rotary joint,frequency DC~18GHz,OD 12.5mm



Rotary joint Spec.

Connector type	SMA-K (50Ω)	Style	I type
Frequency	DC ~ 18 GHz	Phase WOW (Max degree)	1°
VSWR(max)	1.3@DC ~ 10 GHz 1.4@DC ~ 18 GHz	Insertion loss	0.25 dB @ DC~10 GHz 0.30 dB @10 ~ 18 GHz
VSWR fluctuation(max)	0.05	Insertion loss fluctuation	0.05 dB
Peak power(max)	3000W	Average power(max)	500 W @1 GHz 200 W @6GHz 100 W @12GHz 30 W @18GHz
Rotating speed(max)	250RPM	working life	> 10 millions for ref(depe-nds on working conditions)
Starting torque(max)	0.5N.cm	Rotating torque(max)	0.5 N.cm
Connector axial load(max)	±0.1N	Connector radial load(max)	±0.1N
Insulating material	PTFE	IP grade	IP 40 acc. EN 60529
Temperature	-30~+85℃(work temperature) -30~+85℃(storage temperature)	Humidity	95% (work humidity) 85% (storage humidity)

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